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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6188 (1988): wooden bedside table [CED 35: Furniture]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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IS : 6188 - 1988

REAFFIRMED 2007

*Indian Standard*  
SPECIFICATION FOR  
WOODEN BEDSIDE TABLE  
( *First Revision* )

UDC 684.442.47.041

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BUREAU OF INDIAN STANDARDS  
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*November 1989*

**AMENDMENT NO. 1 AUGUST 1992**  
**TO**  
**IS 6188 : 1988 SPECIFICATION FOR WOODEN**  
**BEDSIDE TABLE**

*( First Revision )*

*( Page 2, clause 3.5 )* — Insert the following new clause 3.6 after 3.5 and renumber the subsequent clauses accordingly:

**“3.6 Medium Density Fibre Board ( MDF ) — MDF used in the manufacture of table tops shall conform to IS 12406 : 1988 ‘Specification for Medium Density Fibre Board for General Purposes’, shall be of Interior Grade IGSB if air drying finishes are adopted and Exterior Grade EGSB, if oven drying finishes are adopted.”**

*( Page 2, clause 5.3, line 4 )* — Insert ‘or MDF’ in the beginning of the line.

**( CED 35 )**

Reprography Unit, BIS, New Delhi, India

**AMENDMENT NO. 2 FEBRUARY 1997  
TO  
IS 6188 : 1988 SPECIFICATION FOR WOODEN  
BEDSIDE TABLE**

*(First Revision)*

( *Page 1, clause 0.4* ) — Insert the following new clause after 0.4 and renumber the subsequent clause:

**'0.5** A scheme of labelling environment friendly products to be known as ECO Mark is being introduced at the instance of the Ministry of Environment and Forests (MEF), Government of India. The ECO Mark shall be administered by the Bureau of Indian Standards (BIS) under the *BIS Act*, 1986 as per the Resolution No. 71 dated 21 February 1991 published in the Gazette of the Government of India. For a product to be eligible for ECO Mark, it shall also carry the Standard Mark of the BIS, besides meeting additional optional environment friendly requirements.'

( *Page 1, clause 3.1* ) — Insert the following at the end of the clause:

'For ECO Mark, the particle board shall conform to the requirements specified in IS 3087 : 1985† for ECO Mark purposes.'

( *Page 1, clause 3.2* ) — Insert the following at the end of the clause:

'For ECO Mark, the veneered particle board shall conform to the requirements specified in IS 3097 : 1980\* for ECO Mark purposes.'

( *Page 1, clause 3.3* ) — Insert the following at the end of the clause:

"For ECO Mark, the blockboard shall conform to the requirements specified in IS 1659 : 1990 'Specification for block boards (*third revision*)' for ECO Mark purposes."

( *Page 1, clause 3.4* ) — Substitute the following for the existing clause:

**"3.4 Plywood** — Plywood used shall conform to IS 303 : 1989 'Specification for plywood for general purposes (*third revision*)'.

**3.4.1** For ECO Mark the plywood shall conform to the requirements specified in IS 303 : 1989 for ECO Mark purposes."

( *Page 2, clause 3.5* ) — Substitute the following for the existing clause:

**Amend No. 2 to IS 6188 : 1988**

**"3.5 Timber** — Any species of timber specified in IS 13622 : 1993 'Indian timber for furnitures and cabinets — Classification' shall be used in the manufacture of tables.

**3.5.1** For ECO Mark, only species of timber as specified in IS 13622 : 1993 from sources other than natural forests, such as timber from industrial and social forestry plantations, shade trees from tea and coffee estates, etc, shall be used for the manufacture of tables."

[ *Page 2, clause 3.6 ( see also Amendment No. 1 )* ] — Insert the following at the end of the clause:

'For ECO Mark, the medium density fibreboard shall conform to the requirements specified in IS 12406 : 1988 for ECO Mark purposes.'

( *Pages 2 and 3, clause 9* ) — Insert the following new clause after 9 and renumber the subsequent clauses:

**'10 ADDITIONAL REQUIREMENTS FOR ECO MARK**

**10.1 General Requirements**

**10.1.1** The product shall conform to the requirements of quality and performance as specified in the standard.

**10.1.2** The manufacturer shall produce to BIS environmental consent clearance from the concerned State Pollution Control Board as per the provisions of the *Water (Prevention and Control of Pollution) Act, 1974* and *Air (Prevention and Control of Pollution) Act, 1981* alongwith the authorization, if required under the *Environment (Protection) Act, 1986*, while applying for ECO Mark.

**10.2 Specific Requirements**

The product shall conform to the specific requirements given for ECO Mark under relevant clauses of this standard.

NOTE — The manufacturer shall provide documentary evidence by way of certificate or declaration to this effect to the Bureau of Indian Standards while applying for ECO Mark.'

( *Page 3, clause 11.1.1* )— Insert the following new clause after 11.1.1:

**'11.2** The criteria for which the product has been labelled as ECO Mark.'

( CED 35 )

Reprography Unit, BIS, New Delhi, India

# Indian Standard

## SPECIFICATION FOR WOODEN BEDSIDE TABLE

### ( First Revision )

#### 0. FOREWORD

0.1 This Indian Standard ( First Revision ) was adopted by the Bureau of Indian Standards on 23 September 1988, after the draft finalized by the Furniture Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 This standard was first published in 1971. In this revision, the tests for finished surface have been included and dimensions of tables have been modified. The revised standard also makes reference to the recent Indian Standards for various types of materials allowed in the standard.

0.3 This standard does not restrict unduly the architectural and decoration possibilities in bedroom. Therefore, minimum characteristics of

dimensions and functional requirements are given.

0.4 This standard contains 3.7 which calls for agreement between the purchaser and the supplier, and Appendix A which gives information to be supplied by the purchaser.

0.5 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

\*Rules for rounding off numerical values ( revised ).

#### 1. SCOPE

1.1 This standard covers the requirements for materials, sizes, construction and finish of wooden bedside table for residential purposes excluding central table, dressing table, etc.

#### 2. TERMINOLOGY

2.1 For the purpose of this standard, definition given in IS : 4415-1974\* shall apply.

#### 3. MATERIALS

3.1 Wood Particle Board — Wood particle board required for the manufacture of wooden bedside table shall conform to IS : 3087-1985† and shall be either the flat-pressed single layer or flat pressed 3-layer type. Wood particle boards, where finished with suitable baking paints or enamel finishes, shall be manufactured with only BWR type of adhesives like phenol formaldehyde.

\*Glossary of terms for wooden furniture and fixtures ( first revision ).

†Specification for wood particle boards ( medium density ) for general purposes ( first revision ).

3.2 For wooden bedside table, decorative veneered type, decorative veneered particle board shall conform to IS : 3097-1980\* and of the specified timber facing shall be used for the sides. Usually decorative timber is specified as figured teak.

3.3 Blockboard — Blockboard used in the manufacture of wooden bedside table shall conform to IS : 1659-1979† and shall be of Grade 1 or 2, where air-drying finishes are adopted; and Grade 1 only where suitable oven-drying finishes are adopted in the manufacture of bedside table.

3.4 Plywood — Plywood shall conform to Grade BWR and Type BB of IS : 303-1975‡. Any of the three grades, namely, BWR, WWR and CWR of plywood can be used for tables which are to be finished with suitable air drying paints, enamels or varnishes. Where tables are finished with oven-drying paints, enamel only BWR grade of plywood shall be used. The plywood used shall not be inferior to Type B. In case veneered

\*Specification for veneered particle boards ( first revision ).

†Specification for blockboards ( second revision ).

‡Specification for plywood for general purposes ( second revision ).



particle board is used, it shall conform to IS : 1328-1982\*.

**3.5 Solid Wood Components** — Any of the species of timber recommended for furniture and cabinet making in IS : 399-1963† shall be used in the manufacture of tables. The wood used shall be seasoned timber, with the moisture content as permissible for different climatic zones in IS : 287-1973‡. The specification of wood shall conform to IS : 1331-1977§. Preservative treatment shall be given to the concealed components of non-durable wood and sap wood of durable wood in accordance with IS : 401-1982 ||.

**3.6 Adhesive** — Adhesive used for joining shall conform to IS : 849-1974¶, IS : 851-1978\*\*, IS : 852-1969†† or IS : 4835-1979‡‡.

**3.7 Decorative Plastic Laminate** — Decorative plastic laminate used shall conform to IS : 2046-1969§§, and shall be of the design and finish as prescribed by the purchaser.

**3.8 Wooden screws, wooden dowel pins and other hardware** shall conform to the relevant Indian Standards, wherever they exist.

**3.9 Paints, enamels, polish and varnish** shall conform to the relevant Indian Standards, wherever they exist for air-drying as well as stoving finishes.

#### **4. DIMENSIONS AND TOLERANCES**

**4.1** The recommended size of wooden bedside tables are given below:

Length ( Max ) — 450 mm

Width ( Max ) — 450 mm

Height ( Max ) — 450 mm

However, tables of length greater than 450 mm may be made, if required by the purchaser.

**4.2 Tolerances** — The overall dimensions specified above shall not vary more than  $\pm 5$  mm.

**4.3** The wooden bedside table shall be rectangular at all the measurable surfaces within a

\*Specification for veneered decorative plywood ( second revision ).

†Classification of commercial timber and their zonal distribution ( revised ).

‡Recommendation for maximum permissible moisture content for timber used for different purposes ( second revision ).

§Specification for cut sizes of timber ( second revision ).

|| Code of practice for preservation of timber ( third revision ).

¶Specification for cold setting casein glue for wood.

\*\*Specification for synthetic resin adhesives for construction work ( non-structural ) in wood.

††Specification for animal glue for general wood working purposes ( first revision ).

‡‡Specification for polyvinyl acetate dispersion-based adhesives for wood ( first revision ).

§§Specification for decorative thermosetting synthetic resin bonded laminated sheets ( first revision ).

tolerance of  $\pm 5$  mm between the two diagonals of the rectangle.

#### **5. FABRICATION**

**5.1** The side and top panel shall be one piece panel prepared for joinery. In case of veneered particle board, wood lipping of not less than 12 mm thickness should be provided. In case of unveneered particle board, wood lipping of not less than 12 mm thickness shall be fixed by tongue and groove joint with a minimum recess of 5 mm. If desired by the customers, unlipped side and top panel of unveneered particle board shall be supplied, where the edges should be sealed with putty or filler.

**5.3** Side and top panels of the bedside table shall be made from wood particle boards or veneered particle boards, blockboards or plywood as specified in 3.

#### **6. ASSEMBLY**

**6.1** The various components shall be assembled by means of glue and screws securely fixed under pressure. Before driving screw, pilot hole should be driven into the wood panel and the screw should be dipped in glue before driving in.

#### **7. STRENGTH AND STABILITY TESTS**

**7.1** The tables may be tested for strength and stability in accordance with the methods of tests described in 7.1.1 and 7.1.2.

**7.1.1 Strength of Tables** — Table may be tested for strength ( test level 1 ) in accordance with IS : 5967 ( Part 1 )-1988\*. Tables shall not show any sign of defect.

**7.1.2 Stability of Tables** — Tables may be tested for stability in accordance with IS : 5967 ( Part 2 )-1988†.

#### **8. FINISH**

**8.1** Finishing shall be done in accordance with IS : 2338 ( Part 1 )-1967‡. Clear lacquer, melamine resin based paints or polyurethane paints, when used, shall be applied according to manufacturer's instructions.

#### **9. PERFORMANCE REQUIREMENT OF FINISH**

**9.1** The wooden table top shall have a smooth finish on the surface and the sides, and shall be delivered in a neat and dry form.

**9.2 Resistance of the Surface to Dry Heat** — The surface of the wooden table tops shall be

\*Methods of test for strength and stability of tables and trolleys : Part 1 Determination of strength ( first revision ).

†Methods of test for strength and stability of tables and trolleys : Part 2 Determination of stability ( first revision ).

‡Code of practice for finishing of wood and wood-based materials : Part 1 Operations and workmanship.

tested for resistance to dry heat in accordance with IS : 5807 ( Part 1 )-1975\*. The minimum qualifying average rating shall conform to 7 of IS : 5807 ( Part 1 )-1975\*.

**9.3 Resistance of the Surface to Wet Heat —** The surface of the table tops shall be tested for resistance to wet heat in accordance with IS : 5807 ( Part 2 )-1975†. The minimum average rating shall conform to 7 of IS : 5807 ( Part 2 )-1975†.

**9.4 Resistance of Surface to Marking by Oils and Fats —** The test sample surface of table shall conform to 5 and 6 of IS : 5807 ( Part 3 )-1971‡ when tested in accordance with IS : 5807 ( Part 3 )-1971‡.

**9.5 Resistance to Surface to Marking by Liquids —** The surface of the test sample of tables shall be tested in accordance with IS : 5807 ( Part 4 )-1975§. The minimum qualifying average rating shall conform to 8 of IS : 5807 ( Part 4 )-1975§.

**9.6 Resistance of Surface to Mechanical Damage —** The surface of the test sample shall be tested for impact, cross-cut and scrape test in accordance with IS : 5807 ( Part 6 )-1978 ||. The rating shall conform to 5.3 of IS : 5807 ( Part 6 )-1978 ||.

\*Methods of test for clear finishes for wooden furniture: Part 1 Resistance to dry heat ( *first revision* ).

†Methods of test for clear finishes for wooden furniture: Part 2 Resistance to wet heat ( *first revision* ).

‡Methods of test for clear finishes for wooden furniture: Part 3 Resistance to marking by oils and fats.

§Methods of test for clear finishes for wooden furniture : Part 4 Resistance to marking by liquids.

|| Methods of test for clear finishes for wooden furniture : Part 6 Resistance to mechanical damage.

## 10. PACKING

**10.1** All the component parts shall be packed after wrapping with suitable waterproof material in such a way that no damage is caused to them during transit.

**10.2** The purchaser may require the wooden tables to be supplied in knocked down condition, in which case, the manufacturer shall supply the components fully for quick joining and shall supply the purchaser complete details and instructions for fixing and pack the components in wooden crates after wrapping with waterproof material.

## 11. MARKING

**11.1** All wooden bedside tables shall be marked with the name of the manufacturer or his recognized trade-mark indentifying the manufacturer and the type of bedside table.

**11.1.1** Bedside table may also be marked with the Standard Mark.

NOTE — The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The Standard Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well defined system of inspection, testing and quality control which is devised and supervised by BIS and operated by the producer. Standard marked products are also continuously checked by BIS for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

## APPENDIX A

( Clause 0.4 )

### INFORMATION TO BE SUPPLIED BY THE PURCHASER

#### A-1. DETAILS

**A-1.1** The purchaser shall supply the following information to the supplier along with the order:

a) Type and size of bedside table;

b) Finish required, whether painted or polished or waxed as the case may be; and

c) Where alternative methods of construction or finish are specified, the same shall be clearly stated in the order.

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